

July 21, 2014

Ms. Grissel V. Diaz-Cotto Emergency and Remedial Response Division United States Environmental Protection Agency Region II 290 Broadway, 19th Floor New York, NY 10007-1866

Re:

June 2014 Discharge Monitoring Report Leachate Treatment Plant, Operable Unit 1 Kin-Buc Landfill Superfund Site

Dear Ms. Diaz-Cotto:

Please find enclosed the June 2014 Discharge Monitoring Report (DMR) for the Leachate Treatment Plant of Operable Unit One at the Kin-Buc Landfill Superfund Site.

Weston & Sampson Services, Inc. would like to confirm the following:

- Effluent parameters sampled throughout the month were within permitted limits.
- Ouarterly Bioassay results were >100%.

Should you have any questions concerning this DMR or the Treatment Plant, please contact me at your earliest convenience at the Kin-Buc site.

Ver truly yours

& Sampson Services, Inc. on behalf of SCA Services, Inc.

Plant Manager Enclosure

Cc: Martha Goodwin - NJDEP

> Stephen Joyce - SC Holdings, Inc. Mark Devine - SC Holdings, Inc.

John A. Bocchino, Jr. - Weston & Sampson Services, Inc.

294335

Name (Printed)
Grade & Registry No.
Signature

Glenn Grieb
N-4; 0031212

Signature

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER QUALITY

MONITORING REPORT - TRANSMITTAL SHEET

	Ĺ	NJPDES NO. *	M o. Y r. M o. Y 0 6 1 4 0 6 1	r.
PERMITTEE:	Name:	SCA Services, Inc.		
	Address:	383 Meadow Road Edison, New Jersey 08817		
FACILITY:	Name:	Kin-Buc Landfill		
	Address:	383 Meadow Road		
	Telephone:	Edison, New Jersey 08817 732-572-4743		
FORMS ATTACHE	ED (Indicate Quant	ity of Each)	Operating Exceptions	
SLUDGE REPORTT-VWX-007 EPA Form 3320	T-VWX-008 T-\	/WX-009	DYE TESTING	YES NO X
SLUDGE REPORT			TEMPORARY BYPASSING	<u>x</u>
_T-VWX-010A _	Calculate and Ca		DISINFECTION INTERRUPTION	<u>X</u>
WASTEWATER R	REPORTS T-VWX-012 T-V	/WX-013	MONITORING MALFUNCTIONS	<u>X</u>
			UNITS OF OPERATION	<u>x</u>
GROUNDWATERT-VWX-015(A,EELECTRONIC	3) T-VWX-016 _	_ T-VWX-017	OTHER	_ <u>x</u>
NPDES DISCHAR 1 EPA Form 3320	GE MONITORING		(Detail any "Yes" on reverse side in a	appropriate space.)
			NOTE: The "Hours Attended at Plan this sheet must also be completed.	t" on the reverse of
or supervision in a or those persons of and belief, true, and	ccordance with a s directly responsible ccurate, and comple	ystem designed to assure my inc for gathering the information, the	and all attachments were prepared under the pulling of the person or persons who managed information submitted is, to the best of magnificant penalties for submitting false informations.	e the system y knowledge
LICENSED OPER	ATOR		PRINCIPAL EXECUTIVE OFFICER (DULY AUTHORIZED REPRESENTA	

Glenn Grieb Bant Operations Manager

Name (Printed) Title (Printed) Signature

DateJuly 17, 2014			D	ate		July	/ 17,	201	14							
OPERATING EXCEPTIONS DETAILE	D															
															4	
															7	
														-		
		Y														
	ξ,															
				+				_	-							
HOURS ATTENDED AT PLA	ANT	Ξ		МО	NTH	1	0	6	,	YEA	AR	1	4			
Day of Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	10
Licensed Operator Others	2	8	8	6	5	8	0	2	8	8	4	4	6	0	3	8
	17		10				23						20		0	12

Licensed Operator

Others

 8
 4
 4
 5
 4
 2
 8
 2
 8
 8
 3
 4
 4
 2

 10
 8
 16
 16.5
 4
 4
 8
 8
 8
 16
 11
 4
 4
 8

NAME **ADDRESS** SCA SERVICES, INC. **383 MEADOW ROAD**

EDISON, NEW JERSEY 08817

FACILITY LOCATION KIN-BUC LANDFILL EDISON, NEW JERSEY Mark Devine

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM DISCHARGE MONITORING REPORT

NJ PERMIT EQUIVALENT 001 PERMIT NUMBER DISCHARGE NUMBER

MONITORING PERIOD YEAR MO DAY YEAR MO DAY 06 01 14 06 30

PARAMETER		Q	UANTITY OR LOADING			QUALITY OR CONCENTRA	ATION		NO. EX	FREQUENCY	SAMPLE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
FLOW	SAMPLE MEASUREMENT	0.027433	0.034842	MGD	*****	******	*****	***	***	continuous	flow meter
	PERMIT REQUIREMENT	REPORT	ONLY		******	*****	****			continuous	flow meter
рН	SAMPLE MEASUREMENT	*****	*****	***	8.15	乔女长女女女女	8.53	S.U.	0	1/week	grab
	PERMIT REQUIREMENT	******	******		6.0	*****	9.0			weekly	grab
PETROLEUM HYDROCARBONS	SAMPLE MEASUREMENT	*****	****	***	*****	0.16	0.2	mg/l	0	2/month	grab
	PERMIT REQUIREMENT	******	******		*******	10	15			2/month	grab
COD	SAMPLE MEASUREMENT	19.35	20.06	kg/day	****	173	174	mg/l	0	2/month	comp.
	PERMIT REQUIREMENT	REPORT	ONLY			REPORT	ONLY			2/month	comp.
BOD	SAMPLE MEASUREMENT	*****	*****	***	******	2.85	4.0	mg/l	0	2/month	comp.
	PERMIT REQUIREMENT	******	******		******	56	220			2/month	comp.
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT	0.58	0.88	kg/day	未实 实实实实	4.95	6.80	mg/l	0	1/week	comp.
	PERMIT REQUIREMENT	REPORT	ONLY		******	30	45(1)			weekly	comp.
DISSOLVED OXYGEN	SAMPLE MEASUREMENT	****	秀秀秀秀秀秀	***	4.99	*****	*****	mg/l	0	1/week	grab
	PERMIT REQUIREMENT	******	******		4.0 MIN. Instantaneous	*******	******			weekly	grab
NAME/TITLE PRINCIPAL EXECUTIVE OF	FICER	I certify under penalty of law that				1 1.			TELEPHON	NE	DATE
Glenn Grieb Project Manager		submitted herein, and based on a the information, I believe the sub- there are significant penalties for imprisonment. See 18 U.S.C. 10	mitted information is true, accuration, in	rate, and complete. I	am aware that	SIGNATURE OF PRINCIPA	S EXECUTIVE	732 AREA	572-474	3	14 07 17
TYPED OR PRINTED COMMENTS AND EXPLANATIONS OF ANY VIOLATION	IS	include fines up to \$10,000 and of	or maximum imprisonment of b			OFFICER OR AUTHORIZE		CODE	NUM	BER	YEAR MO DAY

SCA SERVICES, INC. 383 MEADOW ROAD NAME **ADDRESS**

EDISON, NEW JERSEY 08817

KIN-BUC LANDFILL FACILITY **EDISON, NEW JERSEY** LOCATION ATTN:

Mark Devine

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM DISCHARGE MONITORING REPORT

NJ PERMIT EQUIVALENT PERMIT NUMBER DISCHARGE NUMBER

MONITORING PERIOD YEAR MO DAY YEAR MO DAY 14 06 01 14 06 30

PARAMETER		Q	UANTITY OR LOADING		Application of the second	QUALITY OR CONCENTRAT	TION		NO. EX	FREQUENCY OF	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
BENZENE	SAMPLE MEASUREMENT	<0.0000090	<0.000094		******	<0.08	<0.08	ug/L	0	2/month	grab
	PERMIT REQUIREMENT	0.009	0.02	kg/day	******	57	134			2/month	grab
CHLOROBENZENE	SAMPLE MEASUREMENT	<0.0000123	<0.0000129	kg/day	*****	<0.11	<0.11	ug/L	0	2/month	grab
	PERMIT REQUIREMENT	0.022	0.058		******	142	380			2/month	grab
1,1 DICHLOROETHENE	SAMPLE MEASUREMENT	<0.0000146	<0.0000152	kg/day	*****	<0.13	<0.13	ug/L	0	2/month	grab
	PERMIT REQUIREMENT	0.003	0.009		******	22	59			2/month	grab
ETHYLBENZENE	SAMPLE MEASUREMENT	<0.0000112	<0.0000117	kg/day	****	<0.10	<0.10	ug/L	0	2/month	grab
	PERMIT REQUIREMENT	0.022	0.058		******	142	380			2/month	grab
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT	<0.0000112	<0.0000117	kg/day	*****	<0.10	<0.10	ug/L	0	2/month	grab
	PERMIT REQUIREMENT	0.008	0.025		******	52	164			2/month	grab
TOLUENE	SAMPLE MEASUREMENT	<0.0000250	0.0000339	kg/day	*****	0.22	0.29	ug/L	0	2/month	grab
	PERMIT REQUIREMENT	0.004	0.011		******	28	74			2/month	grab
1,2-TRANSDICHLOROETHYLENE	SAMPLE MEASUREMENT	<0.000146	<0.0000152	kg/day	*****	<0.13	<0.13	ug/L	0	2/month	grab
	PERMIT REQUIREMENT	0.004	0.009		******	Λ 25	60			2/month	grab
NAME/TITLE PRINCIPAL EXECUTIV	VE OFFICER	I certify under penalty of law that I have							TELEPH	ONE	DATE
Glenn Grieb Project Manager		submitted herein, and based on my inq the information, I believe the submitted there are significant penalties for subm imprisonment. See 18 U.S.C. 1001 & 3	information is true, accurate, and con itting false information, including the	mplete. I am aware that	se statutes may	SIGNATURE OF PRIN	CIPAL EXECUTIVE	732	572-474	3	14 07 17
TYPED OR PRINT		include fines up to \$10,000 and or max	imum imprisonment of between 6 mo	onths and 5 years)		OFFICER OR AUTHO		CODE	NU	MBER	YEAR MO DAY

NAME ADDRESS SCA SERVICES, INC. 383 MEADOW ROAD

EDISON, NEW JERSEY 08817

FACILITY LOCATION ATTN:

KIN-BUC LANDFILL EDISON, NEW JERSEY Mark Devine

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM DISCHARGE MONITORING REPORT

NJ PERMIT EQUIVALENT 001 PERMIT NUMBER DISCHARGE NUMBER MONITORING PERIOD YEAR MO YEAR MO DAY 14 06 TO 14 06 01 30

PARAMETER		C	UANTITY OR LOADING			QUALITY OR CONCENTE	RATION		NO. EX	FREQUENCY	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	<0.0000101	<0.0000105	kg/day	*****	<0.09	<0.09	ug/L	0	2/month	grab
	PERMIT REQUIREMENT	0.004	0.010		******	26	69			2/month	grab
VINYL CHLORIDE	SAMPLE MEASUREMENT	<0.0000162	<0.0000183	kg/day	*****	<0.14	<0.14	ug/L	0	1/week	grab
	PERMIT REQUIREMENT	0.008	0.016		******	52.8	106			weekly	grab
ACENAPHTHYLENE	SAMPLE MEASUREMENT	<0.0000029	<0.0000030	kg/day	*****	<0.026	<0.026	ug/L	0	1/month	grab
	PERMIT REQUIREMENT	0.00026	0.00052		******	1.72	3.43			monthly	grab
BENZO(A)ANTHRACENE	SAMPLE MEASUREMENT	<0.0000042	<0.0000044	kg/day	******	<0.04	<0.04	ug/L	0	1/month	grab
	PERMIT REQUIREMENT	0.00026	0.00052		******	1.72	3.43			monthly	grab
BENZO(A)PYRENE	SAMPLE MEASUREMENT	<0.000047	<0.000061	kg/day	******	<0.042	<0.052	ug/L	0	1/month	grab
	PERMIT REQUIREMENT	0.00026	0.00052		********	1.72	3.43			monthly	grab
BENZO(ghi)PERYLENE	SAMPLE MEASUREMENT	<0.000036	<0.000039	kg/day	******	<0.032	<0.033	ug/L	0	1/month	grab
	PERMIT REQUIREMENT	0.00026	0.00052		******	1.72	3.43			monthly	grab
BENZO(k)FLUORANTHENE	SAMPLE MEASUREMENT	<0.000019	<0.0000020	kg/day	*****	<0.017	<0.017	ug/L	0	1/month	grab
	PERMIT REQUIREMENT	0.00026	0.00052		******	1.72	3.43			monthly	grab
NAME/TITLE PRINCIPAL EXECUTIVE	OFFICER	I certify under penalty of law that I have					11.		TELEPH	ONE	DATE
Glenn Grieb Project Manager		the information, I believe the submitted there are significant penalties for subm	itting false information, including the	mplete. I am aware that possibility of fine and		Den	Shib		572-474	3	14 07 17
TYPED OR PRINTED		imprisonment. See 18 U.S.C. 1001 & : include fines up to \$10,000 and or ma: (REFERENCE ALL ATTACH	cimum imprisonment of between 6 m	(Penalties under the nonths and 5 years)	nse statutes may	SIGNATURE OF PRINCIP OFFICER OR AUTHORIZ		AREA CODE	NUM	BER	YEAR MO

< 0.00017

NAME

SCA SERVICES, INC.

383 MEADOW ROAD EDISON, NEW JERSEY 08817

FACILITY LOCATION ATTN:

ADDRESS

KIN-BUC LANDFILL EDISON, NEW JERSEY

Mark Devine

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM DISCHARGE MONITORING REPORT

001
DISCHARGE NUMBER NJ PERMIT EQUIVALENT PERMIT NUMBER MONITORING PERIOD YEAR MO DAY 14 06 01 YEAR MO DAY

TO

14 06 30

PARAMETER			QUANTITY OR	LOADING		QUALITY OR CONCEN	TRATION		NO. EX	FREQUENCY OF	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
DENO(1,2,3cd) PYRENE	SAMPLE MEASUREMENT	<0.0000034	<0.000036	kg/day	******	<0.030	<0.031	ug/L	0	1/month	grab
	PERMIT REQUIREMENT	0.00026	0.00052		******	1.72	3.43			monthly	grab
PHENANTHRENE	SAMPLE MEASUREMENT	<0.0000674	<0.0001437	kg/day	******	0.6	1.1	ug/L	0	1/week	grab
	PERMIT REQUIREMENT	REPORT	ONLY		******	REPORT ONLY	5.4(2)			weekly	grab
ALDRIN	SAMPLE MEASUREMENT	<0.0000013	<0.0000014	kg/day	*****	<0.012	<0.012	ug/L	0	1/month	grab
	PERMIT REQUIREMENT	0.000133	0.00026		******	0.0875	0.176			monthly	grab
4,4-DDT	SAMPLE MEASUREMENT	<0.0000029	<0.0000033	kg/day	*****	<0.025	<0.025	ug/L	0	1/week	grab
	PERMIT REQUIREMENT	0.0000578	0.000146		******	0.38	0.765			weekly	grab
PCB-1242	SAMPLE MEASUREMENT	<0.0000035	<0.000039	kg/day	******	<0.03	<0.03	ug/L	0	1/week	grab
	PERMIT REQUIREMENT	REPORT	ONLY		******	REPORT ONLY	0.5(2)			weekly	grab
PCB-1248	SAMPLE MEASUREMENT	<0.0000035	<0.000039	kg/day	******	<0.03	<0.03	ug/L	0	1/week	grab
	PERMIT REQUIREMENT	REPORT	ONLY		******	REPORT ONLY	0.5(2)			weekly	grab
PCB-1254	SAMPLE MEASUREMENT	<0.0000043	<0.000048	kg/day	*****	<0.04	<0.04	ug/L	0	1/week	grab
	PERMIT REQUIREMENT	REPORT	ONLY		******	REPORT ONLY	0.5(2)			weekly	grab
NAME/TITLE PRINCIPAL EXECUTIVE	OFFICER	I certify under penalty of law the							TELEPHON	NE .	DATE
Glenn Grieb Project Manager		submitted herein, and based on the information, I believe the su there are significant penalties for imprisonment. See 18 U.S.C. 1	bmitted information is true, ac or submitting false information	curate, and complete , including the possib	a. I am aware that	SIGNATURE OF PRINCIPAL	Srieb EXECUTIVE	732 AREA	572-474	3	14 07 17
TYPED OR PRINTED		include fines up to \$10,000 and				OFFICER OR AUTHORIZED		CODE	NUM	BER	YEAR MO

NAME ADDRESS SCA SERVICES, INC. 383 MEADOW ROAD

EDISON, NEW JERSEY 08817

FACILITY LOCATION ATTN: KIN-BUC LANDFILL EDISON, NEW JERSEY Mark Devine

TTN: Mark Devi

. .

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM DISCHARGE MONITORING REPORT

NJ PERMIT EQUIVALENT
PERMIT NUMBER

001 DISCHARGE NUMBER

| MONITORING PERIOD | YEAR | MO | DAY | 14 | 06 | 30 |

PARAMETER		C	QUANTITY OR LOADING		Milania.	QUALITY OR CONCENTRA	TION		NO. EX	FREQUENCY	SAMPLE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
PCB-1260	SAMPLE MEASUREMENT	<0.000043	<0.000048	kg/day	*******	<0.04	<0.04	ug/L	0	1/week	grab
	PERMIT REQUIREMENT	REPORT	ONLY			REPORT ONLY	0.5(2)			weekly	grab
ARSENIC	SAMPLE MEASUREMENT	0.0004772	0.0006272	kg/day	******	4.10	4.80	ug/L	0	1/week	comp
	PERMIT REQUIREMENT	0.013	0.026			85.8	172			weekly	comp
CADMIUM	SAMPLE MEASUREMENT	<0.0002546	<0.0002874	kg/day	*******	2.2	2.2	ug/L	0	1/week	comp
	PERMIT REQUIREMENT	0.0073	0.017		*******	48.2	112			weekly	comp
CHROMIUM	SAMPLE MEASUREMENT	0.0005207	0.0005880	kg/day	*******	4.50	4.50	ug/L	0	1/week	comp
	PERMIT REQUIREMENT	0.030	0.060			198	396			weekly	comp
COPPER	SAMPLE MEASUREMENT	0.0004254	0.0006076	kg/day	*******	3.6	4.7	ug/L	0	1/week	comp
	PERMIT REQUIREMENT	REPORT	ONLY			REPORT ONLY	10			weekly	comp
LEAD	SAMPLE MEASUREMENT	0.0001620	0.0001829	kg/day	******	1.40	1.40	ug/L	0	1/week	comp
	PERMIT REQUIREMENT	REPORT	ONLY			REPORT ONLY	10			weekly	comp
NICKEL	SAMPLE MEASUREMENT	0.0036318	0.0039851	kg/day	*******	31.4	33.0	ug/L	0	1/week	comp
	PERMIT REQUIREMENT	0.140	0.281		******	924	1850			weekly	comp
NAME/TITLE PRINCIPAL EXECUTIVE	OFFICER	I certify under penalty of law that							TELEPHON	NE .	DATE
Glenn Grieb Project Manager		submitted herein, and based on the information, I believe the sub there are significant penalties for	mitted information is true, accur submitting false information, in	ate, and complete. I	am aware that of fine and	Denn	rieb		572-474	3	14 07 17
TYPED OR PRINTED COMMENTS AND EXPLANATIONS OF ANY VIOLATI	IONE	imprisonment. See 18 U.S.C. 10 include fines up to \$10,000 and ((REFERENCE ALL ATTACH	or maximum imprisonment of be		these statutes may 5 years)	OFFICER OR AUTHORIZED	The second secon	AREA CODE	NUM	BER	YEAR MO DAY

NAME ADDRESS SCA SERVICES, INC. 383 MEADOW ROAD

EDISON, NEW JERSEY 08817

FACILITY LOCATION ATTN: KIN-BUC LANDFILL EDISON, NEW JERSEY

Mark Devine

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM DISCHARGE MONITORING REPORT

NJ PERMIT EQUIVALENT
PERMIT NUMBER

001 DISCHARGE NUMBER

| MONITORING PERIOD | YEAR | MO | DAY | 14 | 06 | 01 | TO | 14 | 06 | 30 |

PARAMETER	The sale	Q	UANTITY OR LOADING			QUALITY OR CONCENTR	ATION		NO. EX	FREQUENCY	SAMPLE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
ZINC	SAMPLE MEASUREMENT	0.0021060	0.0023780	kg/day		18.2	18.2	ug/L	0	1/week	comp
	PERMIT REQUIREMENT	0.177	0.356			1170	2350			weekly	comp
CYANIDE	SAMPLE MEASUREMENT	<0.0004629	<0.0005226	kg/day	******	4.0	4.0	ug/L	0	1/week	comp
	PERMIT REQUIREMENT	0.002	0.004			13.2	26.4		e j	weekly	comp
ALUMINUM	SAMPLE MEASUREMENT	0.0431550	0.0742135	kg/day	*******	364.8	568.0	ug/L	0	1/week	comp
	PERMIT REQUIREMENT	1.40	2.81		*******	9240	18500			weekly	comp
IRON	SAMPLE MEASUREMENT	0.0226783	0.0355388	kg/day	******	192.3	272.0	ug/L	0	1/week	comp
	PERMIT REQUIREMENT	80.6	162			532000	1070000			weekly	comp
ACUTE TOXICITY, (LC50)	SAMPLE MEASUREMENT	QUARTELY	REPORT	***	>100%	******	******	%	0		
	PERMIT REQUIREMENT				50(3)					see permit	equivalent
Ammonia	SAMPLE MEASUREMENT		******	***	******	0.125	0.170	mg/l	0	******	*******
	PERMIT REQUIREMENT		******		******	4.9	10.0		e V	2/month	comp
	SAMPLE MEASUREMENT		******	***	******	******	*******		***	******	******
	PERMIT REQUIREMENT		*******			۸	A			*******	
NAME/TITLE PRINCIPAL EXECUTIVE O	FFICER	I certify under penalty of law that					11,		TELEPHON	NE	DATE
Glenn Grieb Project Manager		submitted herein, and based on me the information, I believe the sub- there are significant penalties for	mitted information is true, accur submitting false information, in	rate, and complete. I cluding the possibility	am aware that of fine and	Dlenn	Grieb		572-474	3	14 07 17
TYPED OR PRINTED COMMENTS AND EXPLANATIONS OF ANY VIOLATION	Ne	imprisonment. See 18 U.S.C. 10 include fines up to \$10,000 and of (REFERENCE ALL ATTACH	or maximum imprisonment of be		these statutes may 5 years)	SIGNATURE OF PRINCIPAL OFFICER OR AUTHORIZE	/	AREA CODE	NUM	BER	YEAR MO DA

Serial Number: 3716706





NJPDES BIOMONITORING REPORT FORM-ACUTE TOXICITY EPA METHOD 2007.0



Permit Number #: Permit Equivalent

DSN: 001

Facility name:

Kin-Buc Landfill

Facility address:

383 Meadow Road

Edison, NJ

Facility contact person:

Glen Grieb

Phone number:

732.561.7600

Acute toxicity laboratory:

QC Laboratories Aquatic Toxicology Division

1205 Industrial Blvd

Southampton, PA 18966

/NELAC certification number:

PA166

Test Specifications:

Effluent Type: Final

Test Type: Modified static renewal (24-hour)

Test Results:

Test Start: 06/10/14 13:50

Test End: 06/14/14 14:00

Test endpoint: LC50

Highest percent mortality in top test concentration: 0.0%

REPORT THIS VALUE.....>100%

95% Confidence Interval: NA

Test organism:

Mysid Shrimp

common name

Mysidopsis bahia scientific name

Quality Control Summary

Control Mortality (%): 0.0%

Temperature maintained within 20 +/- 1 °C? Yes

Dissolved Oxygen Levels always greater than 40% saturation?

Two or more concentrations exhibit a trend deviation?

Certification:

Accuracy of report certified by:

000002

Serial Number: 3716706

Test Organism Data:

Test organism source: Marinco

Test Organism Acclimation:

Is the culture water and test dilution water the same, and are the culture water temperature and dilution water temperature identical? No

Mysid, Daphnids and Cladocerans:

Initial number of organisms: 150

Test organism age at start of test (days): 4 days

Culture water source: 40 Fathoms
Culture water salinity: 25 ppt
Culture water temperature: 25°C
Dilution water source: In-house
Dilution water salinil uppon col ction: NA
Dilution water temperature upon collection: NA
Number of mortalities: < 5%

Test Design:

Number of effluent test concentrations: 5
Number of replicates/test concentration: 4
Number of test organisms/replicate: 5
Volume of liquid in test chambers (liters): 0.20
Flow-through bioassay exchange rate (cycles/day): NA

Effluent sampling:

Plant sampling location: Final effluent just before weir.

Effluent type: Final. Discharge: Continuous

Effluent sample type: 24 hour composite

Effle	uent Sam	nple Collecti	on	Initial Parameters In Laboratory					Use in Tes	-	Holding Time
Begin	ning	Endi	ing .	temp		d.o	Cond	Chlorine			(first use)
date	time	date	time	°C	pHi/pHs	mg/L	umhos	ppm	date(s)	time(s)	hours
06/08/14	8:00	06/09/14	8:00	5.0	8.37	9.0	10430	< 0.1	06/10/14	13:50	29:50
06/09/14	10:45	06/10/14	10:45	5.0	8.30	10.8	10270	< 0.1	06/11/14	13:40	26:55
06/10/14	10:45	06/11/14	10:45	5.0	8.37	8.6	10350	< 0.1	06/12/14	13:45	27:55
06/11/14	13:10	06/12/14	13:10	5.0	8.39	9.6	10170	<0.1	06/13/14	14:00	24:50

Testing location: QC Laboratories

000003

Serial Number: 3716706

Effluent Sample Adjustments

Were any salinity adjustments made? Yes

If yes, specify the source of sea salts, brine or water used: Dry 40 Fathoms (biotechnical grade)

Were any pH adjustments made? No.

---pH / Chlorine Adjustment----

Sample Used	Volume Adjusted	pH prior to Salting	Salinity ppt	pH after Salting	mi's 0.2N HCI Used	pH after Adjustment	TRC sample	Amt. STS added (mgs)	
							11:11		
							1.4		

Was the effluent sample filtered in any manner? No

If yes, please specify the mesh size:

Were any adjustments to the level of chlorine made? No.

If yes, specify the dechlorination agent used and the amount of reagent used: NA

Specify the chlorine levels prior to and after addition of the reagent: See data above.

Was an additional control included in the test containing the dechlorination agent? Yes, added to Control B.

Dilution Water:

Effluent receiving water: Raritan River. Dilution water source: 40 fathoms

If a substitute dilution water was used, had its use been approved by the NJDEP in the

acute methodology questionnaire?

Collection location: In-house

Collection date(s): NA

0 hour 24 hour 48 hour 72 hour 96 hour LC50/EC50 (% effluent) >100% >100% >100% >100% >100%

Calculation method: No measurable acute toxicity.

Is the calculated LC50/EC50 valid according to the specifications of the method used? Yes

Miscellaneous:

Were any exposure chambers aerated during the test? No

If yes, specify concentrations and duration, including the lowest percent saturation reached prior to aeration and at what time:

Were the test organisms observed for appearance and behavior at least daily? Yes

000004

Serial Number: 3716706

Physical/Chemical Data

	MHFW Dil	ution Wate	er		100%	Effluent	
Sample Sequence	Alkalinity mg/L	Hardness mg/L	Ammonia* ppm	Sample Sequence	Alkalinity mg/L	Hardness mg/L	Ammonia*
D001	135	NA	NA	E001	410	NA	0.79
				E002	410	NA	< 0.1
				E003	424	NA	< 0.1
				E004	414	NA	< 0.1

^{*}Ammonia analysis perforamed by QC Laboratories Analytical Laboratory, Certification PA166, by method SM 20th ed. 4500-NH3D

Comments

Additional Comments:

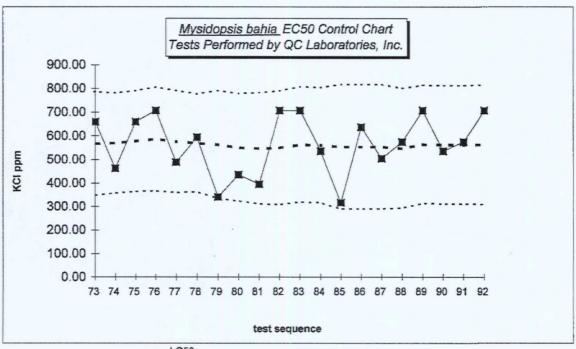
^{**}Please note that the ammonia analysis is performed on composite samples unless otherwise noted.

	Bioassay Deliverables Check List	Yes	No	NA	Davisus
		165	NO	IVA	Reviewer
1.0	Dates of testing match raw data	₽′			<u>CBE</u>
2.0	Facility Name, NPDES Number, DSN Number Complete	Ø			
3.0	Control mortality less than 10% for acutes or less than 20% for chronics	Ø			
4.0	Temperature maintained within 1°C for acute and chronic studies	Ø			1
5.0	Dissolved oxygen levels always greater than 40% saturation	Ø			
6.0	Test design complete	Ø			
7.0	Effluent sampling section complete and holding times are less than 36 hours	ď			
8.0	Temperature at time of sampling recorded on chain of custody	Ø			
9.0	Dilution water sampling section complete				
10.0	Chain of custody present	•			
11.0	Test results complete and match statistics pages (if applicable)				1
12.0	For chronics are PMSD values within acceptable ranges for given species*				
13.0	Two or more concentrations exhibit a trend deviation				
14.0	SRT Data attached and current				
15.0	Approval for variance				
16.0	Lims Number at bottom center of page matches report number				
17.0	Serial Number correct				
18.0	Applicable Method Number clearly indicated on front page of report				
					1

* Acceptable PMSD Values

Test Method	Endpoint	10th PMSD	90th PMSD
Ceriodaphnia dubia	Reproduction	13	47
Fathead Minnow	Growth	12	30
Inland Silverside	Growth	11	28
Mysid Shrimp	Growth	11	37
Sheepshead Minnow	Growth	6	23

□Marlyse Burlingame Printed Name:



		LC50					
Date	test number	ppm	MEAN	UCL 2SD	LCL 2SD	STDV	STDVX2
2/7/2013	73	659.75	567.11	786.00	348.22		
3/5/2013	74	462.71	569.84	781.63	358.05		
4/9/2013	75	659.75	577.44	790.75	364.14		
5/7/2013	76	707.11	586.52	805.89	367.15		
6/4/2013	77	489.11	575.62	791.40	359.84		
7/9/2013	78	594.60	569.99	777.03	362.96		
8/6/2013	79	341.51	562.92	791.06	334.78		
8/28/2013	80	435.28	550.53	778.12	322.95		
8/28/2013	81	395.26	546.97	782.20	311.74		
9/4/2013	82	707.11	549.34	790.24	308.44		
9/4/2013	83	707.11	562.96	807.34	318.58		
10/2/2013	84	535.89	560.03	804.22	315.83		
11/5/2013	85	316.25	553.31	816.80	289.81		
12/3/2013	86	637.28	553.31	816.80	289.81		
1/14/2014	87	504.60	553.52	816.84	290.20		
2/11/2014	88	574.35	546.88	800.42	293.35		
3/4/2014	89	707.11	563.32	813.44	313.21		
4/1/2014	90	535.89	561.40	811.75	311.05		
5/7/2014	91	574.35	561.40	811.75	311.05		
6/11/2014	92	707.11	562.61	815.64	309.57		
	cv	22.5%					





EPA TEST METHOD 2007.0-ACUTE TESTING WITH AMERICAMYSIS BAHIA

Study Number: 5097594		Client: K	mBuc	
Protocol: EPA/821-R-02-012 NT		Water Bath/Inc	cubator: 26	
Date Initiated: 6-10-14		Time Initiated:	1350	
Date Terminated: 6-14-14		Time Terminat		
Test Duration: 24-hour 48-hour 72-h	nour 96-hour Oth	er:		
Test Type: 6-hour static renewal	24-hour static	renewal stat	ic-no renewal .	
flow-through/dilutor used:		other:		
Test Material: Effluent Rec	elving Water	Non Contact/C	ontact Cooling Wate	er
Pure Compound:		SRT Solution /	Lot #:	
Other:				
Dilution Water: Receiving Waters:		Synthetic / Lot	#: Salt/SW	4051614
Test Concentrations: control 20	2 40 6	0 <u>80 10</u> 4 5	6 7	
Salt Added to Effluent (Y) N Test	Salinity: 25ppt	Brand of Artificia	al Salts Used: (40	Fethoms Other:
Test Volume(ml's): 100 (200) 250	500 1000	other:		
Number of Replicates: 2 4 5 other:	Num	ber of Organisms / Re	plicate: 5 10	other:
Test Temperature (°C): 20 22	25 other	7		
Test Species: Mysid Shrimp	Mysidopsis bahi	a		
Source: In house	Commercial Sup	pplier: MBL		
Lot Number: MYMBLOGCO14	Age at test initial	tion: 4days	· Ag	ge range: 24hr.S
Original Number of Organisms Acclimated:	bded	ion: 4days @ recupt		
Acclimation Initiated: Date: Time:	71 °С:	рНі	D.O.i	Sal.i
Acclimation Terminated: Date: Time:	Tf °C:	pHf	D.O.f	Sal.f
ime Organisms remained in 100% Dilution Water:		% Dead:		
ime Organisms Added to Test Chambers:				
omments				
	11/			
	1//			1/2/11
VERIFICATION OF LABOR	TORY DIRECTOR		DA	6/23/14
	/			

1205 Industrial Blvd. P.O. Box 514 Southampton, PA 18966-0514 Toll Free: 800-289-8378 Phone: 215-355-3900 Fax: 215-355-7231 www.qclaboratories.com



MORTALITY/BEHAVIORAL OBSERVATIONS INVERTEBRATE TESTS

		ONC		0 hours		24	_ hours	40	N TIME FR	72	hours	910	hours
REP		1/2)	alive		obs	alive	obs	alive	obs	alive	obs	alive	obs
1A	Control		5		N	5	N	5	N	5	IN	15	V
1B 1C	-		-	-			1		Ī	1	Ti	i	1
1D	-		1	_									
2A	-						-	-					
2B	0		1	-				-					
2C	20	-		-		\vdash	++-						
2D							+-	\vdash	+	+-			
ЗА			1	1					+	+			
3B	40			1					++-		-		
3C	70									1		-	
3D													
4A				1									-
4B 4C	60			1									
4C 4D													
5A	-		-	++	-				-				
5B	0		-	-	-		-	-					
5C	80		-	1	-1	-			-				
5D			1	11	-			-	-				-
6A				1	+	1							-
B	100			11									
C	100		1	1		1/2							-
D			٧	Y		V	V	V	V	4	V		17
A													A
B				-	-								
D	-			-	_								
A				-	+								
B				-	-								
		-		-	-					-			
				-	1	-							
	S	ignature	AS			48 6-11-1		48		A8		45	
		Date	A5	-14		6-11-	14	6-12	14	4-13-1	14	CB.	714
		/al Time	13	50		134	10	/3	145	1400	-	6.14-	11
	Samp	le Used								1700		1400	
m or th													
ervatio	ns.												
D De	ad: no app	endage m	ni/emani			0.0	Dann = 16 - 17	,					
F Fee	d	onday o m	ovenier][annibalized nmobile	7					
	00					1 11.	milobil o						
RKS													
									(a)				



Physical/Chemical Parameters Sheet

Study Number: 5097594

rs	temp	do	pН	Sal	con	1.
	°C	mg/l	units	ppt	umhos	(XI
Initial	21.0	6.5	18-01	722.6		7
final	21.0	7.4	8.04	743		1
initial	21.0	6.9	8-23	240	-	1
final	21.0	7.2	8.72	244		1
initial	21.0	10.9	9.36	24.1	-	1
final	1.0	7.3	8.35	74:7	-	1
initial 2	1.0	6.9	8.43	2+2	1	
final 2	21.0	7.1	8.43	2410	1	
inittai 2	1.0	10.8	8.47	24.1	+	
final 2	1.0	7.1	848	24.7	+	
Initial 2	11.0	6.8	8.50	24.2		
final Z	1.0	7.0	F53	2410	1	
			0.00	21.0		
fina!						
1	48 10	comments				
-14-10	11-14					
50 1/	340					
5001	7149					
	initial final initial final fi	initial 21.0 final 21.0	initial 21.0 Co.5 final 21.0 7.4 Initial 21.0 7.2 Initial 21.0 7.2 Initial 21.0 7.3 Initial 21.0 7.3 Initial 21.0 Co.9 final 21.0 7.3 Initial 21.0 Co.9 final 21.0 7.1 Initial 21.0 Co.8 final 21.0 Co.8 final 21.0 Co.8 final 21.0 Co.8 final 21.0 Co.8	Initial 71.0 6.5 9.00 final 71.0 6.5 9.00 final 71.0 6.5 9.00 final 71.0 6.9 8.23 final 71.0 6.9 8.35 final 71.0 6.9 8.35 final 71.0 6.9 8.43 final 71.0 6.8 8.47 final 71.0 6.8 8.47 final 71.0 6.8 8.50 final 71.0 6.8 8.50 final 71.0 6.8 8.50 final 71.0 71.0 8.53 final 71.0 6.8 8.50 final 71.0	Initial	Initial 21.0 6.5 8.00 33.6 final 21.0 7.4 8.04 24.3 1.0 final 21.0 7.2 8.23 24.4 Initial 21.0 6.9 8.23 24.4 Initial 21.0 6.9 8.23 24.4 Initial 21.0 6.9 8.23 24.5 final 21.0 6.9 8.43 24.2 final 21.0 6.8 8.43 24.1 final 21.0 6.8 8.43 24.1 final 21.0 6.8 8.43 24.1 final 21.0 6.8 8.50 24.3 final 21.0 7.1 8.48 24.7 Initial 21.0 6.8 8.50 24.3 final 21.0 final 21.0 6.8 8.50 24.3 final 21.0 fin

T=24/48	Hrs	temp	do	рН	Sal	con	
./.		°C	mg/l	units	ppt	umhos	(X10
control	initial	21.0	6.8	18.07	123.8	71	7
	final	21.0	7.5	7.89	24.4		7
20	Initial	21.0	6.7	8:32	24.5		7
20	final	21.0	7.5	8.20	24.8		1
40	initial	21.0	6.7	8.44	248		
	_	21.0	7.6	8.30	25.3		
60		21.0	6.7	8:49	25.2		1
	final	21.0	7.5	8.39	25.7	1	
80	initial	21.0	6.6	8.55	75.7	1	
	final	21.0	7.5	8.46	25.9		
100	initia!	21.0	6.6	8.58	26.1		
Ιω	final	21.0	7.4	8.51	26.6		
	initial						
	final						
tials A	71	AS +	comments				
te 61	1-1416	12-14	_			'	
ne /3	401	1345					
erm. ID (ID)	49 0	P150					

T-40/7	2 11					
T=48/72	2 Hrs	temp	do	pH	Sal	con
1.		°C	mg/l	units	ppt	umhos
control	initial	21.0	7.9	8.00	24.1	
	final	21.0	7.4	7.98	24.5	
100	initial	21.0	18.1	8.28	24-5	
20	final	21.0	7:7	8.1P	248	
40	initial	21.0	80	838	24-10	
10	final	21.0	7.60	8.78	252	1
1 -	. initial	21.0	181	845	250	1
60	final .	4.0	7.80	829	252	1
80	initial	21.0	80	249	251	1
00	final	21.0	75	845	25.0	
1-0	Initial 2	21.0	80	852	253	
100	final 2	1.0	7.6	8:50	250	
	initial		7.0	, 20	0.0	
	final			-		
nitials	AS:	IQ f	comments			
ate lo-	12-14/0	12-14	_			
ime /	345 11	100 f				
herm. ID C	150 N	215tx				
		Part				

Control Initial	,		comp	do	ÞН	Sal	con	
Control Initial 21.0 7.9 8.11 24.4 1.0 7.9 7.94 24.5 1.0 8.1 8.35 24.8 1.0 8.1 8.35 24.8 1.0 8.2 8.47 25.1 1.0 1.0 8.2 8.47 25.1 1.0 1.0 8.2 8.57 25.5 1.0 1.0 8.2 8.59 25.8 1.0 1.0 8.2 8.59 25.8 1.0 1.0 1.0 8.0 8.49 2.5 1.0	1/-		℃	mg/l	units	ppt	~umhos	(X100)
20 Initial 21.0 8.1 8.35 24.8 40 Initial 21.0 8.2 8.47 25.1 final 21.0 7.0 7.36 25.2 60 Initial 21.0 8.2 8.54 25.6 final 21.0 8.2 8.54 25.6 80 Initial 21.0 8.2 8.59 25.8 final 21.0 8.0 8.49 25.8 Initial 21.0 8.0 8.49 25.8 Initial 21.0 7.9 7.56 26.5 Initial 31.0 7.9 7.56 26.5 Initial 51.0 7.9 7.56 26.5 Initial 51.0 7.9 7.9 7.56 26.5	control	initial	21.0	7.9	18.11	1744	1	1
## ## ## ## ## ## ## ## ## ## ## ## ##		final	21.0	7.9	7.94	1245	1-	1
## ## ## ## ## ## ## ## ## ## ## ## ##	20	initial	21.0	18.1	8.35	24.8		
GO Initial 21.0 8.2 8.54 25.6	20			8.0	8.20	24.5		1
GO Initial 21.0 8.2 8.54 25.6	40	initial	21.0	18-2	8.47	251		
So State	10	final	210	8.0	8.36	25.2		
BO initial 21.0 8.2 8.59 25.8 final 31.0 8.0 8.49 3.58 initial 21.0 8.1 8.01 26.1 final 61.0 7.9 7.56 26.5 initial final	100	initial	21.0	18.2	8.54	25/0	+	
100 1400 1	00	final	21.0	8.0	8.45	25.5		
Initial 21.0 8.0 26.1	BO	initial	21.0	8.2	8.59	25.8	1	
100 finel 01.0 7.9 7.56 26.5	00	finai	21.0	8.0	8.49	358	1	
Initial finel state 6.13-14-6-14-14 rme 1400 r 1400 r	100			8.1	8.101	26.1		
initial final state G13144 C-14-141 me 14-00 r	100	final	0.16	7.9	T.56	265	1	
itials AS CBE comments cBE cB		Initia!					+	
ste 6-13-14-6-14-14r me 14-00 r 14-00 r		final						
	itiais	ASIC	BE 1	comments				
1100.	ate 6	13-14-6	-14-14				1	
	me //	100 11	400 +					
nerm. ID (DISO) CPISO f	ierm. ID	0150 C	P150f					

Reviewed	by:



Study: 5097594

RANDOMIZATION BOARD TEMPLATES 6x4

Randomization Template 6x4-A 6A 3A 4C 3B 4A 3D 2C 4D 1C 6D 2A 6B 4A 6C 5D 3C 5A 2B 2D 1B 5C 1A 1D 4B	Randomization Template 6x4- 5A 1D 2A 3 6B 1C 4A 5 6C 2B 3D 6 4B 6A 3B 5 4D 3A 2D 1B 2C 1A 5C 4C
Randomization Template 6x4-C 1B 2B 4A 6C 6B 1A 4C 5A 3B 3D 6A 4B 1C 2D 4D 2A 5B 2C 3A 1D 5D 5C 3C 5D	Randomization Template 6x4-D 4A 2B 6C 1B 6A 2C 5B 3D 3B 1A 2A 5A 5D 1D 3A D 2D 4B 1C 3C 4C 5C 6B 6D



ORGANISM LOG-IN SHEET

Date / Time of Receipt: 6-10-14 / 1000

Person Accepting: Tara Gallagher

Organism Source: MBL

species: Mysidopsis bahia

Date Born / Age / Lot Number: 6-6-14 / 4 days / MYMBLOGO614, 6-4-14/6 days / MYMBLOGO414

Percent Mortality at Receipt: 41%, 41%

Organism Stress at Receipt:

stressed due to:

Initial Measurements at Organism Receipt:

Temp (°C): 22.4, 22.5 Salinity (ppt): /9.3, 19.3 DO (mg/L): /9.7,18.8

pH: 7.50, 7.53 Alkalinity (mg/L):

Hardness (mg/L):

Designated Culture Tank:

Designated Study(s):

Are Parameters within 10% of Intended Culture System:

Date / Time Organisms added to Culture System:

Check for Parasites: + /(-)

Check for Fungal or Bacterial Disease: + 1/->

Were any Prophylactic Treatments used:

Y (explain):

Comments:



NELAP Certification # E84191

Shipment Record

Species	Quantity	1				
		Age	Brood/Lot Number	Temp.	pH (S.U.)	Salinity
	300	3 days	MS140606	25	7.9	
bahia 2	40	5days	MS 140604	25	7.9	20
Menidia beryllina		. 0				70
			·	-		Hardnes mg/L
Cyprinella leedsi						. mg/L
Pimephales 12 promelas	.00	<z4aes< td=""><td>FM140608-1700</td><td>25</td><td>7.8</td><td>80</td></z4aes<>	FM140608-1700	25	7.8	80
Ceriodaphnia dubia			- 1			
Daphnia						
magna						
YCT						
subcapitata						



AQUATIC TOXICOLOGY LAB - CHAIN OF CUSTODY

Study Number: 50	97594		Facility	Name or Co	ode: Kr	n Buc				
Test Type:	Acute	□Chroni	С	□Sedime	ent	□Pure Co	mpound	□ Other		
Sample Number:) 0001 IID00	2 □D003	□E001	□E002	□E003	□E004	□E005	□E006		
If sample is co							Splits to	be homog	genized:	
Description of Sample:	□ 5filu ■ Dilut	ent on Waters		ontact Cooling dwater/pump a		□Contact □Other:	Cooling Wa	ter		
Location of Sampling:		(post treatmentiving Waters	0	□Final-Pr	echlorinated		□Final-Ci □Other:	hlorinated		□Outfall Outlet
Sample type:	□Grab	Proportional		□24 Hour □Flow Pro	Composite oportional			Hour Compo		
Sample Collection:	Date/Tim	e Initiated:				Date/Time To	erminated:	,		
	Was s	ampier chain-	of-custody	seal intact a	at sample re	etrieval:	□Yes	□No		
/olume of Sample:	Liters /	Gallons		Container	Type:	□FDA Gra	de Plastic	□Glass	□Stainles	s Steel
torage and Transport Co	nditions:	□lced/Co		Temp. (°C)	upon collecti	on:	t Courier			
elinquished by Sampler:		Date	Time	Received By	TE CAC			Date	Time	1
alinquished by:		Date	Time	Received By:				Date	Time	
alinquished by:		Date	Time	Received By:				Date	Time	
ondition of Sample upon		□Containe	d	□Accepted		□Compron	nised / Explai	in below	□Rejected	/ Explain below
SWLG051614 Initial San	mple Data			Sample Da	ta and Use)	Sample		Sample 1	Ferminated
emp (°C) pH D.O.	(mg/L) Cond./Sa	TRC (ppm)	Da	ate(s)	Tim	e(s)	Split ID		Date	Time
2018 17	5 38760	101								
salmity.	24.501	g/								
nductivity measured in umhos; sa	linity measured in	0/00						l		
mple Manipulations:	□PH Adju □Aerated	sted /Due to:	mL's 0.1 N l		□D.O. < 409		al D.O. after		□Final pH_ mg/l	
mments:			1,	ge amyalo -	ao ocalum (II)	oounate user	a per iller (si	ow main be	SIOW OF DACK)	

QCL		CHAIN OF	CUSTODY	' L	ab LIMS No	: 5097594	MATRIX CODES
1205 Industrial Blvd. Phone: 215 Southampton, PA 18966-0514 Fax: 215	355-3900 Bill to/F	Page	_ of		# Asco	ONLY:	DW: DRINKING WATER GW: GROUND WATER
Client/Acct. No. ASOO 32 Kin Address	10 -	ling Site Address; (if different)			# Na C	S ₂ 0 ₃	WW; WASTEWATER SO: SOIL
City/State/Zip ED(Saw) NJ-					# HNO # H ₂ S0	₃ pH) ₄ pH H,pH:	SL: SLUDGE OIL: OIL
Phone/Fax Client Contact GUENN G	P.O. N	No. Contact			# NaO! # Unpr # Hel p	eserved	SOL: NON SOIL SOLID MI: MISCELLANEOUS
PROJECT FIELD ID	Co	Dilection G C R O Matrix Military Time B P	Number of Contain	ners	# Temp	control ID#	X: OTHER Fleld pH, Temp (C or F),
EFFLUENT WISCHARDE	6-8-14			1 32 1	Bloass	NALYSIS REQUESTED	DO, Cl_2 , S. Cond. etc. $T = 23 \cdot 5^{\circ} C$
		!		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		/	•
SAMPLED BY: (Name/Company)							
Hardcopy due:			nat: Standard I + QC NJ Reduce round and on all but sta	ed 🗆 Disk	ıt.	Sig: Olyllog	Date/Time: 6-9-14
SAMPLE CUSTODY EXCHANGES MUST I			LEGAL SIGNATU	JRE, DATE	AND MILITA	RY TIME (24 HOUR CLOCK, I.E. 8AM IS	0800, 4 PM IS 1600)
RELINQUISHED BY SAMPLER 1 Cee Clee Cee Cee Cee Cee Cee Cee Cee Ce		RECEIVED BY	6	-9-14	1700	DELIVERY METHOD: DOC COURIER CLIEN UPS FEDEX OTHER COMMENTS:	Custody Seal Number
RELINQUISHED BY DATE	TIME R	RECEIVED BY	DAT		TIME		
RELINQUISHED BY DATE	4		DAT		TIME .		
RELINQUISHED BY DATE	TIME R	RECEIVED BY	DAT	TE	TIME	Hazardous: yes/no 3°Clart	as luco

For example to aid completion, see reverse side.



AQUATIC TOXICOLOGY LAB - CHAIN OF CUSTODY

Study Number:	~ , , .	594		Facility	Name or Co	da. V	m Bu	^			
Test Type:	1	/									
rest Type.	MACUIE		□Chroni		□Sedime	nt	□Pure C	ompound	Other		
Sample Number:	DD001	□D002	□D003	⊠ €001	□E002	□E003	□E004	□E005	□E006		
If sample is (note: if split,	comprise	ed of splits, Cto sample	will the sp	olits be hon	nogenized pr	rior to use:		Splits to	be homog	enized:	
Description of Sample:		Effluent Difution	Waters		ontact Cooling Iwater/pump a		□Contact □Other:	Cooling Wa	ter		
Location of Sampling:		☑Final (po	st treatment g Waters_)	□Final-Pre	echlorinated		□Final-C □Other:	hlorinated		□Outfall Outle
Sample type:		□Grab □Time Pro	portional		□Flow Pro				Hour Compo		
Sample Collection:		Date/Time Init	iated:				Date/Time Te	rminated:			
	L	Was samp	ler chain-c	of-custody	seal intact a	sample re	trieval:	□Yes	□No		
/olume of Sample:		Liters / Gall							шио		
ordino or cample.		Liters / Gail	ons		Container	Type:	DFDA Grad	de Plastic	□Glass	□Stainle	ss Steel
ellinquished by Sampler:			Date	Time	Received By:	a /	Tall	1	Date 6-10-14	700	
					l addition by.		a land		Date	Time	
elinquished by:		E	Date	Time	Received By:				Date	Time	
endition of Sample upo ample Refrigerated (date	e/time/sig.	: [Contained		ts Accepted	a and Use	□Compromi:				d / Explain below
endition of Sample upo emple Refrigerated (date	e/time/sig.	: :		Date	Sample Date Dates used in 1	a and Use		sed / Explain	n below	□Rejecte	Teminated
ondition of Sample upo ample Refrigerated (date Initial Si amp (°C) pH D.O.	e/time/sig.	: [(ppm)		Sample Date Dates used in 1	a and Use	(s)	Sample	n below	□Rejecte Sample	
ondition of Sample upo ample Refrigerated (date initial Si amp (°c) pH D.O.	e/time/sig. ample Deta (mg/L) C	: [Contained	Date	Sample Date Dates used in 1	a and Use oxicity Test Time	(s)	Sample	n below	□Rejecte Sample	Terminated Time
emple Refrigerated (date in the property of th	ample Deta . (mg/L) C	ond/sal* 1	(ppm)	Date	Sample Date Dates used in 1	a and Use oxicity Test Time	(s)	Sample	n below	□Rejecte Sample	Terminated Time
emple Refrigerated (date in Initial Signapole (CC) pH D.O. S. S. 7 9 ps.:	e/time/sig. emple Data (mg/L) C	ond/sal* 1	(ppm)	Date	Sample Data Dates used in T	a and Use oxidity Test Time	(s)	Sample Split ID	De (o·1)	□Rejecte Sample	Terminated Time
emp (°C) pH D.O.	ample Data (mg/L) C , C JC allinity measured points	ond/sal* T	TRC (ppm)	Date Cor 10 11 L's 0.1 N HO Supersatura	Sample Data Dates used in T	a and Use Toxicity Test Times 1/3/5/0	(s) L's 0.1 N Na(Sample Split ID DH	De (o · 1) ·	Sample Sample	Terminated Time

£.	~
r	
٤	ľ
1	
1	1
1	1
E,	ľ
4	J
-	2
4	-
ã	1

1205 Industrial Blvd. Phone: 215-355-3900 Southampton, PA 18966-0514 Fax: 215-355-723.	Dill to 1 to port to 1 (it officially	LAB USE ONLY:	MATRIX CODES DW: DRINKING WATER GW: GROUND WATER
Client/Acct. No. ASO 632 KW SVC Address LAND File		# Ascorbic/HCI Vials # HCI Vials # Na ₂ S ₂ 0 ₃ # Na OH/Zn acetate pH # HNO ₃ pH	WW: WASTEWATER SO: SOIL SL: SLUDGE
City/State/Zip EYNSQN, NJ- Phone/Fax Client Contact CLENN 6.	P.O. No. QC Contact	# H ₂ S0 ₄ pH	OIL: OIL SOL: NON SOIL SOLID MI: MISCELLANEOUS X: OTHER
PROJECT FIELD ID	Collection G C Matrix Date Military Time B P Code Total S C I S Q	Containers # Temp control ID# N Z U B A B C C C C C C C C C	Field pH, Temp (C or F), DO, Cl ₂ , S. Cond. etc.
EFFLUENT DISCHARGE	6.1014 1045 NWW 1	Broassay	T= 23.6°C
SAMPLED BY: (Name/Company) AS Please call for pricing and	Availability on rush (<14-21 day) turnaround and on all l	Reduced Disk Sig: Oc. 11000 S	Date/Time: 6 - 10-14
RELINQUISHED BY SAMPLER DATE TIME	RECEIVED BY	DATE DATE	0800, 4 PM IS 1600)
RELINQUISHED BY DATE TIME RELINQUISHED BY DATE TIME 4	RECEIVED BY 3 RECEIVED BY 4	DATE TIME	/ / \
RELINQUISHED BY DATE TIME 6	RECEIVED BY 5	DATE TIME Hazardous; yes/no 2°CAT	As luco

For example to aid completion, see reverse side.



AQUATIC TOXICOLOGY LAB - CHAIN OF CUSTODY

mogenized prior of the sare homogenized contact Cooling Wat dwater/pump and true of the same of the sa	to use: to use: the use: the use is the u	Spanning Spa	lits to be horring Water Inal-Chlorinated ther: Hour Corefrigerated/located: Box □No stic □Glas	nogenized: nogenized: nogenized: nogenized:	□Outfall Outlet
mogenized prior interest are homogenized contact Cooling Wat dwater/pump and true interest in the property of	to use: L) ter prinated posite conal Date collection:	Spanning Spa	lits to be horring Water inal-Chlorinated ther: Hour Correfrigerated/local cod: Bas □No istic □Glas ier DateDate	inposite	ess Steel
contact Cooling Watdwater/pump and tr DFinal-Prechlo 24 Hour Com DFlow Proporti seal intact at sai Container Typ Temp. (°C) upon sported to Lab Received By:	ter present prinated posite conal petrieve: Determined posite considerations and positive properties are presented positive properties and positive properties are presented positive properties and properties are properties are properties are properties and properties are prop	IContact Cooli IOther: III III III III III III III III III	inal-Chlorinated other: Hour Correfrigerated/load: as □No astic □Glas ier □Date □G///	nposite I in Field S	ess Steel
DFinal-Prechlo	prinated proposite ponal Determine retriev e: IF	IOther: III III III III III III III III III	inal-Chlorinated other: Hour Correfrigerated/local other: Box	mposite I in Field S	ess Steel
E24 Hour Com DFlow Proporti seal intact at sai Container Typ Temp. (°C) upon sported to Lab Received By:	mple retrieve: IF	□C □	Hour Corefrigerated/Icec	mposite I in Field S	ess Steel
Container Typ Temp. (°C) upon sported to Lab Received By:	mple retrieve: IF	te/Time Termina val: □Yi	efrigerated/local ed: es	in Field Substainte	7
Container Typ Temp. (°C) upon sported to Lab Received By:	mple retrieve: DF	val: □Yo	es □No stic □Glas ier □ate □ate	14 700	7
Container Typ Temp. (°C) upon sported to Lab Received By:	e: DF	FDA Grade Pla	ier Date	14 700	7
Temp. (°C) upon sported to Lab	collection:		ier Date	14 700	7
Received By:			ier Date	14 700	7
			Date	-	
- 1					
Received By:			Date	Time	
HAccepted Sample Data ar	nd Use	ompromised /	Explain below	□Rejecte	ed / Explain below
Dates used in Toxic te(s)	ity Test Time(s)	San Spii		Sample Date	Terminated Time
4	1340		6.1	2.14	800

I SAMOON OF THE

1
a
0
ă
111
U.
_
4
Z
-

	LANDPU 5-	P.O QC	o/Report to: (if different content of the content o	ge(rent) (if different)	_ of			Intainers N Z U S S S S S S S S S S S S S S S S S S	(a) a control (control (contro	# Ne # Ne # HI # Hz # Ne # Ur # Hc	E ONLY: scorbic/HCl Vials # HCl Vials a ₂ S ₂ O ₃	MATRIX CODES DW: DRINKING WATER GW: GROUND WATER WW: WASTEWATER SO: SOIL SL: SLUDGE OIL: OIL SOL: NON SOIL SOLID MI: MISCELLANEOUS X: OTHER Field pH, Temp (C or F), DO, Cl ₂ , S. Cond. etc.
									i i i i i i i i i i i i i i i i i i i			
As/ac Hard	oal/fax data due: dcopy due: ase call for pricing a	***	ity on rush (<14-2		d + QC	and on	AJ Rec	duced at stand	□ Di	mat.	Sig: Alaylla C	Date/Time: 6.11-14
RELINQUISHED BY SAMPLER 1	DATE TI DATE TI DATE TI	ME 700 ME	RECEIVED BY 1 COLOR RECEIVED BY 2 RECEIVED BY 3 RECEIVED BY 4	. 15	-	AL S		DATE DATE		TIME (1700 TIME TIME	DELIVERY METHOD: A QC COURIER CLIENT UPS FEDEX OTHER COMMENTS:	Custody Seal Number
RELINQUISHED BY 5	DATE TI	ME	For exam	nale to	aid c	omi		DATE	200 5	TIME everse sid	Hazardous: yes/no 33c(A71	As luco



AQUATIC TOXICOLOGY LAB - CHAIN OF CUSTODY

Study Number:	50975	094		Facility	Name or Co	ode: /	(mBu	2			
Test Type:	Acute		□ Chronic		□Sedim	ent	□Pure	Compound	□Other		
Sample Number:	□D001	□D002	□D003	□E001	□E002	E003	□E004	□E005	□E006		
If sample (note: if sp	e is compris plit, assign A, E	sed of splits 3, Cto samp	, will the spl le numberad	its be hon	nogenized p	orior to use	9:	Splits to	be homogeni	ized:	
Description of Samp	ole:	Effluent Dilution			ontact Cooling dwater/pump a		□Conta	et Cooling Wa	ater		
Location of Sampling	g:	□Final (po □Receivin	est treatment) g Waters		©Final-Pr	rechlorinate	ď	□Final-C □Other:	hiorinated		□Outfall Outlet
Sample type:		□Grab □Time Pro	pportional		24 Hour	Composite	i		Hour Composite		
Sample Collection:		Date/Time Ini	tiated:				Date/Time	rerminated:			
		Was same	oler chain-oi	f-custody:	seal intact a	at sample	refrievel:	□Yes	□No		
torage and Transpo	rt Condition				Temp. (°C) sported to Lab		□Overnig	ht Courier			
		- 1	-	111110	Mece yeu by.	_	A		Date T	lme	7
				Time	Received By:		lnon		6-12-14	770 ime	
eiinquished by:			Date 1		Chri		lnor		6-12-14 Date Ti	770	
elinquished by: elinquished by: ondition of Sample L ample Refrigerated (d	date/time/si	ot: g.):	Date 1	Time	CAVE Received By:	i Ess	□Compror	nised / Explai	C-12-14 Date Ti	700 ime	/ Explain below
elinquished by: Inquished by: Indition of Sample L Imple Refrigerated (o		ot: g.):	Date 7	Time	Received By:	ta and Us	□Compror	Sample	C-12-14 Date Ti	700 me	ferminated
eilinquished by: elinquished by: condition of Sample L ample Refrigerated (o	date/time/sig la! Sample Data D.O. (mg/L)	ot: g.); Cond./Sel*	Date 7	Time Time	Received By: Received By: Accepted Sample Da Dates used in	ta and Us Toxicity Test	□Compror		Date Ti	700 me me	
eilinquished by: elinquished by: condition of Sample L ample Refrigerated (c) lnitt emp (°c) pH	date/time/sig la! Sample Data D.O. (mg/L)	ot: g.); Cond./Sel*	Date 7	Time Time	Received By: Received By: Accepted Sample Da Dates used in	ta and Us Toxicity Test	□Compror see t me(s)	Sample	Date Ti	700 me me	ferminated Time
eilinquished by: elinquished by: ondition of Sample L ample Refrigerated (of emp (°C) pH 6.0 8.37	date/time/signal sample Data	ot: g.): Cond./Sel**	Date 7	Time Time	Received By: Received By: Accepted Sample Da Dates used in	ta and Us Toxicity Test	□Compror see t me(s)	Sample	Date Ti	700 me me	ferminated Time
elinquished by: endition of Sample unample Refrigerated (d	date/time/sidal Sample Data D.O. (mg/L) os; salinity mea	ot: g.): Cond./Sel**	Date To TRC (ppm)	Time Time	Received By: Received By: Accepted Sample Da Dates used in	ta and Us Toxicity Test	□Compror see t me(s)	Sample Split ID	Date Ti	700 me me	Time

DWS Industrial Bird. DWS Plants 215-355-3900 Bird Disports to (filthered) Plants 215-355-291 DWS Plants 215-355	OCL			CHAII)D'	Υ		Lab LIMS N	No: 5097594	MATRIX CODES
Client/Acct, No. ASO33 Ken-Buc. Address Lando File Sampling Site Address: [if different) # Na. OHZh anceta pH St. Sull. # Na. OHZh anceta ph					-	of	<u></u>					E ONLY:	
Address LAND FU Sumpting 58th Address: (f different) P Na OHZN accitate pH FIND pH SS: SOL SL: SLUDGE OIL: OIL	Client/Acct. No. A50032	Von BUC											WW: WASTEWATER
City/State/Zip D1 Se/1 No. PROJECT		LANC	Fil Sam	pling Site Address	(if different	1)			***************************************				SO: SOIL
Client Contact Contact Client Contact Conta						-	-	-					SL: SLUDGE
Client Contact Contact Client Contact Conta	City/State/Zip EDISE	NO									# H ₂	SO ₄ pH	
Collection PROJECT Collection Date Milksy Time 6 by Mark Field DID Date Milksy Time 6 by Mark Field DID Collection Date Milksy Time 6 by Mark Field DID Collection Date Milksy Time 6 by Mark Field DID Collection Date Milksy Time 6 by Mark Field DID Collection Date Milksy Time 6 by Mark Field DID Collection Date Milksy Time 6 by Mark Field DID Collection ANALYSIS REQUESTED Did No. 0c ₀ , S. Cond. etc. Collection Milksy Time 6 by Mark Field Parameters Analyzed By: AT Sample Collection Mark Field Parameters Analyzed By: AT Sample Collection Date Field Parameters Analyzed By: AT Sample Collection Date Field Parameters Analyzed By: AT Signature Collection Collection Time Sample Collection Date Time Ped ph. Temps (C or F), DO, Oc ₀ , S. Cond. etc. The Collection Sample Collection Mark Field Parameters Analyzed By: AT Signature Collection Signature Collection Signature Collection Date Time Date Field Parameters Analyzed By: AT Collection Time Signature Collection Sig			P.O	, No.									
PROJECT FIELD ID Date Milley Time Date Milley Time Date Milley Time Date Milley Time Date Milley Time Date Milley Time Date Milley Time Date Milley Time Date Milley Time Date Date Date Milley Time Date Date Date Date Date Date Date Dat	Client Contact CLENIA	6.	QC	Contact	***			-					
SAMPLED BY: (Name/Company) AS ACC Please call for pricing and availability on rish (-1-2-1 day) management and on all but standard format. SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW. USE FULL LEGAL SIGNATURE, DATE AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 1800 AND MILITARY TIME (24 HOUR CLOCK, I.E. SAM IS 0800, 4 PM IS 180				Collection	G C Matri	1	lumber o	of Conta	ainere				
SAMPLED BY: (Name/Company) Worthel/fax data due: As As			新石原物	Military Time	A M Code		H Y C a	H N 80 H	Z V 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		NO. OF THE PARTY O		
SAMPLED BY: (Name/Company) AS AC Hardcopy due: / Report Format: _ Standard _ Forms	EFFLIENT DI	SCHARGE	6.12	4 1310	Xua) ((Bloa	SIACY	T= 22.0°C
SAMPLED BY: (Name/Company) AS AC Hardcopy due: / Report Format: _ Standard _ Forms						-	+	-		4		/	
SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW. USE FULL LEGAL SIGNATURE, DATE AND MILITARY TIME (24 HOUR CLOCK, I.E. 8AM IS 0800, 4 PM IS 1600) RELINQUISHED BY SAMPLER DATE TIME RECEIVED BY DATE TIME Hazardous: yes / no DATA JUAN DATA JUAN RELINQUISHED BY DATE TIME HAZARDOUS: yes / no DATA JUAN DATA						-				\sqcup			
SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW. USE FULL LEGAL SIGNATURE, DATE AND MILITARY TIME (24 HOUR CLOCK, I.E. 8AM IS 0800, 4 PM IS 1600) RELINQUISHED BY SAMPLER DATE TIME RECEIVED BY DATE TIME Hazardous: yes / no DELIVATION TIME Hazardous: yes / no DELIVATION TIME HAZARDOUS: Yes / no DELIVERY METHOD: Countries: Countries: Countries: DATE DATE TIME HAZARDOUS: yes / no DELIVERY METHOD: RECOOK, I.E. 8AM IS 0800, 4 PM IS 1600) Relivery METHOD: RELIVED SIGNATURE, DATE TIME DATE TIME RECEIVED BY DATE TIME HAZARDOUS: yes / no DELIVERY METHOD: Countries: Countries: DATE TIME HAZARDOUS: yes / no DATE TIME HAZARDOUS: yes / no													
SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW. USE FULL LEGAL SIGNATURE, DATE AND MILITARY TIME (24 HOUR CLOCK, I.E. 8AM IS 0800, 4 PM IS 1600) RELINQUISHED BY SAMPLER DATE TIME RECEIVED BY DATE TIME Hazardous: yes / no DELIVATION TIME Hazardous: yes / no DELIVATION TIME HAZARDOUS: Yes / no DELIVERY METHOD: Countries: Countries: Countries: DATE DATE TIME HAZARDOUS: yes / no DELIVERY METHOD: RECOOK, I.E. 8AM IS 0800, 4 PM IS 1600) Relivery METHOD: RELIVED SIGNATURE, DATE TIME DATE TIME RECEIVED BY DATE TIME HAZARDOUS: yes / no DELIVERY METHOD: Countries: Countries: DATE TIME HAZARDOUS: yes / no DATE TIME HAZARDOUS: yes / no													4
SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW. USE FULL LEGAL SIGNATURE, DATE AND MILITARY TIME (24 HOUR CLOCK, I.E. 8AM IS 0800, 4 PM IS 1600) RELINQUISHED BY SAMPLER DATE TIME RECEIVED BY DATE TIME Hazardous: yes / no DELIVATION TIME Hazardous: yes / no DELIVATION TIME HAZARDOUS: Yes / no DELIVERY METHOD: Countries: Countries: Countries: DATE DATE TIME HAZARDOUS: yes / no DELIVERY METHOD: RECOOK, I.E. 8AM IS 0800, 4 PM IS 1600) Relivery METHOD: RELIVED SIGNATURE, DATE TIME DATE TIME RECEIVED BY DATE TIME HAZARDOUS: yes / no DELIVERY METHOD: Countries: Countries: DATE TIME HAZARDOUS: yes / no DATE TIME HAZARDOUS: yes / no		**											
SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW. USE FULL LEGAL SIGNATURE, DATE AND MILITARY TIME (24 HOUR CLOCK, I.E. 8AM IS 0800, 4 PM IS 1600) RELINQUISHED BY SAMPLER DATE TIME RECEIVED BY DATE TIME Hazardous: yes / no DELIVATION TIME Hazardous: yes / no DELIVATION TIME HAZARDOUS: Yes / no DELIVERY METHOD: Countries: Countries: Countries: DATE DATE TIME HAZARDOUS: yes / no DELIVERY METHOD: RECOOK, I.E. 8AM IS 0800, 4 PM IS 1600) Relivery METHOD: RELIVED SIGNATURE, DATE TIME DATE TIME RECEIVED BY DATE TIME HAZARDOUS: yes / no DELIVERY METHOD: Countries: Countries: DATE TIME HAZARDOUS: yes / no DATE TIME HAZARDOUS: yes / no								1		A1111			
SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW. USE FULL LEGAL SIGNATURE, DATE AND MILITARY TIME (24 HOUR CLOCK, I.E. 8AM IS 0800, 4 PM IS 1600) RELINQUISHED BY SAMPLER DATE TIME RECEIVED BY DATE TIME Hazardous: yes / no DELIVATION TIME Hazardous: yes / no DELIVATION TIME HAZARDOUS: Yes / no DELIVERY METHOD: Countries: Countries: Countries: DATE DATE TIME HAZARDOUS: yes / no DELIVERY METHOD: RECOOK, I.E. 8AM IS 0800, 4 PM IS 1600) Relivery METHOD: RELIVED SIGNATURE, DATE TIME DATE TIME RECEIVED BY DATE TIME HAZARDOUS: yes / no DELIVERY METHOD: Countries: Countries: DATE TIME HAZARDOUS: yes / no DATE TIME HAZARDOUS: yes / no			mi .										
SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW. USE FULL LEGAL SIGNATURE, DATE AND MILITARY TIME (24 HOUR CLOCK, I.E. 8AM IS 0800, 4 PM IS 1600) RELINQUISHED BY SAMPLER DATE TIME RECEIVED BY DATE TIME Hazardous: yes / no DELIVATION TIME Hazardous: yes / no DELIVATION TIME HAZARDOUS: Yes / no DELIVERY METHOD: Countries: Countries: Countries: DATE DATE TIME HAZARDOUS: yes / no DELIVERY METHOD: RECOOK, I.E. 8AM IS 0800, 4 PM IS 1600) Relivery METHOD: RELIVED SIGNATURE, DATE TIME DATE TIME RECEIVED BY DATE TIME HAZARDOUS: yes / no DELIVERY METHOD: Countries: Countries: DATE TIME HAZARDOUS: yes / no DATE TIME HAZARDOUS: yes / no										T			
SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW. USE FULL LEGAL SIGNATURE, DATE AND MILITARY TIME (24 HOUR CLOCK, I.E. 8AM IS 0800, 4 PM IS 1600) RELINQUISHED BY SAMPLER DATE TIME RECEIVED BY DATE TIME Hazardous: yes / no DELIVATION TIME Hazardous: yes / no DELIVATION TIME HAZARDOUS: Yes / no DELIVERY METHOD: Countries: Countries: Countries: DATE DATE TIME HAZARDOUS: yes / no DELIVERY METHOD: RECOOK, I.E. 8AM IS 0800, 4 PM IS 1600) Relivery METHOD: RELIVED SIGNATURE, DATE TIME DATE TIME RECEIVED BY DATE TIME HAZARDOUS: yes / no DELIVERY METHOD: Countries: Countries: DATE TIME HAZARDOUS: yes / no DATE TIME HAZARDOUS: yes / no										\forall			
Hardcopy due:	SAMPLED BY: (Name/Company)	/erbal/fax data due:			Report Fo	rmat:	Standa	ard [Form	I_L IS		Field Parameters Analy	vzed By: At
Please call for pricing and availability on rush (<14-21 day) turnaround and on all but standard format. SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW. USE FULL LEGAL SIGNATURE, DATE AND MILITARY TIME (24 HOUR CLOCK, I.E. 8AM IS 0800, 4 PM IS 1600) RELINQUISHED BY SAMPLER DATE TIME RECEIVED BY DATE TIME Hazardous: yes / no DELIVERY METHOD: QC COURIER CLIENT Cuistody Seal Number (CII) LIENT COMMENTS: Hazardous: yes / no DATE TIME Hazardous: yes / no	AS/AC	dardcopy due:									k	Sig:	Date/Time: .
ARELINQUISHED BY DATE TIME RECEIVED BY DATE TIME Hazardous: yes / no	The state of the s	Please call for pricing	and availabilit	y on rush (<14-2	day) tuma	around a	nd on al	l but s	standar	d form	nat.	Glarfelles	1 1 1
TIME DATE TIME RECEIVED BY DATE TIME RECEIVED BY BELINQUISHED BY DATE TIME RECEIVED BY BELINQUISHED BY DATE TIME RECEIVED BY DATE TIME BELINQUISHED BY DATE TIME Hazardous: yes / no DATE TIME Hazardous: yes / no DATE TIME Hazardous: yes / no	SAMPLE CUSTODY EXCHANGE	GES MUST BE D	OCUMENT	ED BELOW, L	ISE FUL	L LEGA	L SIG	NAT	URE,	DAT	E AND MILI	TARY TIME (24 HOUR CLOCK, I.E. 8AM IS	0800, 4 PM IS 1600)
RECEIVED BY DATE TIME Hazardous: yes / no DATE TIME Hazardous: yes / no		/ DAIL	1700	1 Calley	C 1			1 10/	AIL		ITIME	DELIVERY METHOD: MOC COURSED TO LIEU	T Custody Seal Number
RELINQUISHED BY DATE TIME RECEIVED BY 3 DATE TIME RECEIVED BY DATE TIME RECEIVED BY 4 DATE TIME RECEIVED BY DATE TIME RECEIVED BY DATE TIME Hazardous: yes / no DATE Hazardous: yes / no		DATE	TIME	RECEIVED BY	~			D/	ATE,	11	TIME	COMMENTS:	- 672.14
3 RELINQUISHED BY DATE TIME RECEIVED BY 4 DATE TIME RECEIVED BY 5 DATE TIME Hazardous: yes / no 290 Avrians / 1160	RELINQUISHED BY		****					-	* *************************************	-/1			7.7
A BELINQUISHED BY DATE TIME RECEIVED BY 5 DATE TIME Hazardous: yes / no 290 Avrians / 1160	3 RELINOUISHED BY	Land Park		3									
RELINQUISHED BY DATE TIME RECEIVED BY DATE TIME Hazardous: yes / no 290 Avril	4	DATE	TIME					DA	ATE		TIME		87
For example to aid completion and co	RELINQUISHED BY	DATE		RECEIVED BY	What is		-	DA	ATE		TIME	0-1	1 1 -
	5				nle to	aid a	med	**!				Hazardous: yes/no 2°C ATT	AS LIVED



AQUATIC TOXICOLOGY LAB - CHAIN OF CUSTODY .

Test Type:	Acute		□Chroni	ic	□Sedime	ent	□Pure C	ompound	DOther		
	E D004	TD 400	-	-	75444		/	•			
Sample Number:	□D001	□D002	□D003	□E001	□E002	□E003	⊠ E004	□E,005	□E006		
					mogenized p les are homoge			Splits to	be homoge	nized:	
Description of Sample	e:	□ Effluery □ Dilution			ontact Cooling dwater/pump a	-	□Contact □Other:	t Cooling Wa	ter		
Location of Sampling		_	ost treatmenting Waters	t)	□Final-Pr	rechlorinated		DFinal-C	hiorinated		ElOutfall Outle
Sample type:		□Grab	roportional		E24 Hour	Composite		- PARTY BOOK	Hour Compos		
									atouriced in t	ieiu	
Sample Collection:		Date/Time I	nitiated:				Date/Time T	erminated;			
•		Was sam	pler chain-	of-custody	seal intact a	at sample r	etrieval:	□Yes	□No		
/olume of Sample:		Liters / Ga									
											Of1
	t Condition	•	□liced/Coc		Container Temp. (°C) sported to Lab	upon collect		ade Plastic	□Glass	□Stainle	SS STORI
Storage and Transport	t Condition	•	□liced/Coc		Temp. (°C)	upon collect	ion:	-	Date Date	Time	SS Steel
Storage and Transport elinquished by Sampler: elinquished by:	t Condition	•	Date	Time	Temp. (°C) sported to Lab Received By:	upon collect	ion:	-	Date Co-13/14	Time 700 Time	SS Steel
Storage and Transport telinquished by Sampler: telinquished by: elinquished by:	t Condition	•	□ iced/Coc □ Field Col	llected/Trans	Temp. (°C) sported to Lab Received By:	upon collect	ion:	-	Date 6-13-14	Time 700	SS Steel
Storage and Transport elinquished by Sampler: elinquished by: elinquished by: condition of Sample up ample Refrigerated (di	pon Recei <u>r</u> ate/time/si	ot:	Date	Time Time Time	Received By: Received By: Received By: Received By: Received By:	upon collect	ion:Overnigh	-	Date C-13-14 Date Date	Time Time Time	d / Explain below
Storage and Transport elinquished by Sampler: elinquished by: elinquished by: condition of Sample up ample Refrigerated (di	oon Receip	ot:	Date Date Date	Time Time Time	Received By: Received By: Received By: Received By: Received By: Daccepted Sample Da Dates used in	upon collect	ion: □Overnigh □Comprom	at Courier alsed / Explai	Date C-13-11Y Date Date	Time Time Time Sample	d / Explain below
Storage and Transport elinquished by Sampler: elinquished by: elinquished by: ondition of Sample up ample Refrigerated (di	pon Receip ate/time/si	s: pt: Cond./Sal*	Date Date Date TRC (ppm)	Time Time Time	Received By: Received By: Received By: Received By: Received By: Dacepted Sample Da Dates used inte(s)	upon collect	□Overnigh □Comprom	at Courier	Date C-13-14 Date Date	Time Time Time Sample	d / Explain below
elinquished by Sampler: elinquished by: elinquished by: elinquished by: condition of Sample up ample Refrigerated (di	pon Receip ate/time/si	ot:	Date Date Date TRC (ppm)	Time Time Time	Received By: Received By: Received By: Received By: Received By: Dacepted Sample Da Dates used inte(s)	upon collect	□Overnigh □Comprom	at Courier alsed / Explai	Date C-13-14 Date Date Delow	Time Time Time Sample	d / Explain below Terminated
Storage and Transport elinquished by Sampler: elinquished by: elinquished by: condition of Sample up ample Refrigerated (di	pon Receip ate/time/si	s: pt: Cond./Sal*	Date Date Date TRC (ppm)	Time Time Time	Received By: Received By: Received By: Received By: Received By: Dacepted Sample Da Dates used inte(s)	upon collect	□Overnigh □Comprom	at Courier alsed / Explai	Date C-13-14 Date Date Delow	Time Time Time Sample	d / Explain below Terminated
elinquished by Sampler: elinquished by Sampler: elinquished by: elinquished by: endition of Sample up ample Refrigerated (di amp (°C) pH p	pon Receip ate/time/signate/time/signate/time/signate/	s: Cond./Sal* O, 70	Date Date Date TRC (ppm)	Time Time Time	Received By: Received By: Received By: Received By: Received By: Dacepted Sample Da Dates used inte(s)	upon collect	□Overnigh □Comprom	at Courier alsed / Explai	Date C-13-14 Date Date Delow	Time Time Time Sample	d / Explain below Terminated
etinquished by Sampler: elinquished by:	pon Receip ate/time/sig ate/time/sig il Sample Data 0.0. (mg/L) Q, 6	s: ot: g.): Cond./Sel*	Date Date Date TRC (ppm)	Time Time Time	Temp. (°C) sported to Lab Received By:	upon collect	□Overnigh □Comprom	at Courier alsed / Explai	Date Co-13-114 Date Date Date Co-144	Time Time Time Sample	d / Explain below Terminated Time